UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460
OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES
Antimicrobial Division

July 17, 2007

DP BARCODE: D339567

MRID : 47111901, 47111902, 47111903, 47111904

SUBJECT: Bromoblend 99

REG. NO. OR FILE SYMBOL: 8622-TT

DOCUMENT TYPE: **Product Chemistry Review**

Manufacturing-use [ ] OR **End-use Product [X]**

INGREDIENTS (PC Codes): 006315, 081405

CAS Number: 16079-88-2, 87-90-1

TEST LAB:

SUBMITTER: Ameribrom, Inc.

GUIDELINE:

COMMODITIES:

REVIEWER: Chris Jiang **ORGANIZATION: AD**

APPROVER: Karen P. Hicks **APPROVED DATE:**

COMMENT: July 18, 2007

TO: **Emily Mitchell\Thomas Luminello, Jr.**
PM Team 32

FROM: Chris Jiang, Chemist
Product Science Branch, CT Team
Antimicrobials Division (7510P)

THRU: Karen P. Hicks, CT Team Leader
Product Science Branch
Antimicrobials Division (7510P)

THRU: Michele E. Wingfield, Chief
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APPLICANT: Arch Wood Protection, Inc.
Action code : A54
Due out date : 8/29/07

Product Formulation

Active Ingredient(s):	**% by wt.**
Bromochloro-5,5-dimethylhydantoin	**68.6 %**
Trichloro-s-triazinetrione	**29.7 %**

BACKGROUND:

The registrant has submitted a label, a Confidential Statement of Formula for the basic formulation, and 830 Series data requirements that have been identified by the Agency as MRIDs 47111901, 47111902, 47111903, 47111904.

FINDINGS:

1. The concentrations of the active ingredients on the Confidential Statement of Formula (CSF dated 19-April-2007) are consistent with the label declaration.

2. All ingredients are cleared for use in pesticidal products.

3. The descriptions of the starting materials and the manufacturing\production\ formulation process are **acceptable**.

4. The discussion of the formation of impurities is **acceptable**.

5. The preliminary analysis is **acceptable**.

6. The wider certified limits are **acceptable** because of manufacturing limitations.

7. The enforcement analytical method is **acceptable**.

8. The submittal of samples is **acceptable**.

9. The color, physical state, and odor are **acceptable** as the product is a white/off-white solid with a faint odor of halogen (bromine, chlorine).

10. The density is **acceptable** as it was determined to be 1.6 g/mL to 1.7 g/mL.

11. The pH is **acceptable** as the pH of a 1% slurry was determined to be 3.2.

12. The oxidation/reduction potential is **acceptable** as the product was compatible with iron powder, kerosene, and 10% $KMnO_4$, and water and incompatible with 10% $NH_4H_2PO_4$.

13. The flammability is **acceptable** as the product does not contain combustible liquids.

14. The explodability is **acceptable** the product is not potentially explosive.

15. A joint study for storage stability and corrosion characteristics is ongoing.

16. The viscosity is **acceptable** as the product is not a liquid.

17. The miscibility is **acceptable** as the product is not intended to be diluted in petroleum solvents.

18. The dielectric breakdown voltage is **acceptable** as the product is not to be used around electrical equipment.

19. The melting range for the product is between 142.8 °C and 144.6 °C.

20. There must be a declaration of available halogen on the label per Label Review Manual.

CONCLUSIONS:

1. Product Science Branch of Antimicrobials Division finds the submission for 8622-TT to be acceptable, pending the label change.